

1. (Twice Amended) An alternating current (AC) generator comprising a stator and a rotor, said rotor comprising a plurality of pole pairs, said stator comprising a first winding wound in a full pitch pattern with at least one complete loop surrounding a first predetermined number of teeth of said stator and a second winding wound in a short pitch pattern with at least one complete loop surrounding an adjacent second predetermined number of said teeth, said first predetermined number being different than said second predetermined number.

6. (Twice Amended) A stator for an alternating current generator, said generator having a rotor with poles, comprising:

a substantially annular body portion;
a plurality of teeth extending radially inwardly from said annular body portion;
a plurality of slots defined between said teeth;
at least two windings wound around said teeth and inserted into said slots, wherein the number of stator slots is equal to $2 \times n \times p$, where p is the number of electrical phases per winding, and n is the number of rotor pole pairs, and wherein a first one of said windings being wound in a full pitch pattern with at least one complete loop surrounding a first predetermined number of teeth of said stator and a second one of said windings being wound in a short pitch pattern with at least one complete loop surrounding an adjacent second predetermined number of said teeth, said first predetermined number being different than said second predetermined number.

11. (Twice Amended) A stator for an alternating current generator comprising at least a pair of multi-phase windings, one of the windings being a wye type winding and the other one of the windings being a delta type winding wherein one of the windings is a full pitch winding with at least one complete loop surrounding a first predetermined number of teeth of said stator and the other one of the windings is a short pitch winding with at least one complete loop surrounding an adjacent second predetermined number of said teeth, said first predetermined number being different than said second predetermined number.